

June 23, 2009

David Sullivan  
TRC Solutions - Lowell  
650 Suffolk Street  
Lowell, MA 01852

Project Location: City Of New Bedford - Varsity Field  
Client Job Number:  
Project Number: 115058  
Laboratory Work Order Number: 09F0389

Enclosed are results of analyses for samples received by the laboratory on June 18, 2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Theresa L. Ferrentino  
Project Manager



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

TRC Solutions - Lowell  
650 Suffolk Street  
Lowell, MA 01852  
ATTN: David Sullivan

REPORT DATE: 6/23/2009

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 115058

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 09F0389

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: City Of New Bedford - Varsity Field

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
WVF-67	09F0389-01	Soil		SM 2540G SW-846 6010B	

**CASE NARRATIVE SUMMARY**

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "M. Erickson", is written in a cursive style.

Michael A. Erickson  
Assistant Laboratory Director

Project Location: City Of New Bedford - Varsity

Sample Description:

Work Order: 09F0389

Date Received: 6/18/2009

Sampled: 6/11/2009 10:20

Field Sample #: WVF-67

Sample ID: 09F0389-01

Sample Matrix: Soil

**Metals Analyses (Total)**

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Arsenic	10	2.8	mg/Kg dry	1		SW-846 6010B	6/18/09	6/18/09 16:26	KSH



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Project Location: City Of New Bedford - Varsity

Sample Description:

Work Order: 09F0389

Date Received: 6/18/2009

Sampled: 6/11/2009 10:20

Field Sample #: WVF-67

Sample ID: 09F0389-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89		% Wt	1		SM 2540G	6/18/09	6/19/09 8:19	NH

**Sample Extracton Data**

**Prep Method: % Solids-SM 2540G**

Lab Number [Field ID]	Batch	Date
09F0389-01 [WVF-67]	B001507	06/18/09

**Prep Method: SW-846 3050B-SW-846 6010B**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
09F0389-01 [WVF-67]	B001498	1.0016	50	06/18/09

**QUALITY CONTROL**

**Metals Analyses (Total) - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B001498 - SW-846 3050B</b>										
<b>Blank (B001498-BLK1)</b>				Prepared & Analyzed: 06/18/09						
Arsenic	ND	2.5	mg/Kg wet							
<b>LCS (B001498-BS1)</b>				Prepared & Analyzed: 06/18/09						
Arsenic	120	5.0	mg/Kg wet	123		97.6	83-117			
<b>LCS Dup (B001498-BSD1)</b>				Prepared & Analyzed: 06/18/09						
Arsenic	123	5.0	mg/Kg wet	123		99.8	83-117	2.54	30	
<b>Duplicate (B001498-DUP1)</b>				<b>Source: 09F0389-01</b>		Prepared & Analyzed: 06/18/09				
Arsenic	8.99	2.8	mg/Kg dry		10.0			11.1	35	
<b>Matrix Spike (B001498-MS1)</b>				<b>Source: 09F0389-01</b>		Prepared & Analyzed: 06/18/09				
Arsenic	37.0	2.8	mg/Kg dry	28.0	10.0	96.3	75-125			

**FLAG/QUALIFIER SUMMARY**

- \* QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

**CERTIFICATIONS**

**Certified Analyses included in this Report**

Analyte	Certifications
<i>SW-846 6010B in Soil</i>	

Arsenic CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2010
MA	Massachusetts DEP	M-MA100	06/30/2009
CT	Connecticut Department of Public Health	PH-0567	09/30/2009
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2009
NC	North Carolina Div. of Water Quality	652	12/31/2009
NJ	New Jersey DEP	MA007 NELAP	06/30/2009
FL	Florida Department of Health	E871027 NELAP	06/30/2009
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

**tferrentino@contestlabs.com**

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**From:** "Saunders, Jeffry (Lowell,MA-US)" <JSaunders@TRCSOLUTIONS.com>  
**To:** <tferrentino@contestlabs.com>  
**Cc:** <mkelley@contestlabs.com>; "Sullivan, Dave (Lowell,MA-US)" <DSullivan@trcsolutions.com>;  
"Silverman, Diane (Lowell,MA-US)" <DSilverman@trcsolutions.com>  
**Sent:** Thursday, June 18, 2009 8:01 AM  
**Attach:** TRC Chain-of-Custody (061109).pdf  
**Subject:** WFV-67 Hold Authorization

Theresa,

Can you please go ahead and analyze TRC sample "WFV-67" for total arsenic on a rush 48 to 72-hour turnaround. I've attached a copy of the TRC chain-of-custody form for reference. Let me know if you have any questions. Thanks.

-Jeff

**Jeffry B. Saunders**  
Project Geologist



**TRC Companies, Inc.**  
Wannalancit Mills  
650 Suffolk Street  
Lowell, MA 01854

(978) 656-3610 (phone)  
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CHAIN OF CUSTODY RECORD

39 SPRUCE ST, 2ND FLOOR  
 EAST LONGMEADOW, MA 01028

Lim # 09FO389

Company Name: TRC

Address: 150 SUFFOLK ST

LOWELL, MA 01854

Attention: DAVE SULLIVAN

Project Location: CITY of NEW BEDFORD - YASNY  
SAMPLED BY: HEID RIZZA + ALLISON WEISS

Proposal Provided? (For Billing purposes)  yes  no

proposal date

State Form Required?  yes  no

Telephone: 978, 970 5000  
 Project # 115058  
 Client PO #

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT

Fax #:

Email: dsullivan@trcsolutions.com  
 Format:  EXCEL  PDF  GIS KEY

OTHER

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-oste	Grab	Matrix Code	Code	Code	Client
WFV-108		09FO389	10/11/09	1000	X		S	V	X	AS
WFV-109				1005	X		S	V	X	HOLD
WFV-1010				1015	X		S	V	X	HOLD
WFV-67				1020	X		S	V	X	HOLD
WFV-104				1030	X		S	V	X	MS/DMP
WFV-105				1040	X		S	V	X	HOLD
WFV-62				1045	X		S	V	X	HOLD
WV-63				1050	X		S	V	X	HOLD

Laboratory Comments:  
Held for TRCP

Relinquished by (signature): [Signature] Date/Time: 6/11/09 1410

Received by (signature): [Signature] Date/Time: 6/11/09 1410

Relinquished by (signature): [Signature] Date/Time: 6/11/09 1730

Received by (signature): [Signature] Date/Time: 6/11/09 1730

Turnaround:  7-Day  10-Day  Other  RUSH

Special Requirements or DLS:  \*24-Hr  \*48-Hr  \*72-Hr  \*4-Day

\* Require lab approval

Detection Limit Requirements:  Y  N

Matrix Codes: GW = groundwater, WW = wastewater, DW = drinking water, A = air, S = soil/solid, SL = sludge, O = other

Preservation Codes: I = lead, H = HCL, M = Methanol, N = Nitric Acid, S = Sulfuric Acid, B = Sodium bisulfate, X = Na hydrox, T = Na thiosul

**MADEP MCP Analytical Method Report Certification Form**

Laboratory Name: Con-Test Analytical Laboratory	Project #: 09F0389
Project Location: City Of New Bedford - Varsity Field	MADEP RTN <sup>1</sup> :

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]  
09F0389-01

Sample Matrices: Soil

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M <sup>2</sup> ( )
As specified in MADEP Compendium of Analytical Methods.  (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S <sup>3</sup> ( )	7196A ( )
1 List Release Tracking Number (RTN), if known 2 M -- SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method 3 S -- SW-846 Methods 7000 Series List individual method and analyte					

**An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status**

<b>A</b>	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</b>	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	VPH and EPH Methods only: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

**A response to questions E and F below is required for "Presumptive Certainty" status**

<b>E</b>	Were all analytical QC performance standards and recommendations for the specified methods achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup>All Negative responses must be addressed in an attached Environmental Laboratory case narrative.

***I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.***

Signature: 	Position: Assistant Laboratory Director
Printed Name: Michael A. Erickson	Date: 06/22/09